

AMENDMENTS TO THE SPECIFICATION:

Please replace the third paragraph from the end of the "Detailed Description of Exemplary Embodiments" with the following amended paragraph:

Although other designs fall within the scope of the present invention, one exemplary electrical connector system 88 is illustrated in Figure 12. In this system, the electrical connector comprises one or more sliding electrical contacts 102 that permit extension and contraction of electrical connector 88. The exemplary electrical connector 88 comprises a first housing 104 received in slidable engagement with a second housing 106. Also, a plurality of conductive rods or wands 108, e.g. three rods 108, are electrically coupled to corresponding conductors in second power cable connector end 92. The rods or wands 108 are examples of conductive extensions that are slidably received in and form electrical contact with a plurality of corresponding receptacles 110, e.g. three receptacles 110, formed in or extending from second housing 106. Receptacles 110 are conductive and coupled with corresponding conductors of first power cable connector end 90. Thus, an electrical connection is formed along the individual conductors of power cable segment 96, second power cable end 92, corresponding rods 108 and receptacles 110, first power cable connector end 90 and power cable segment 74.